RAW SEQUENCE LISTING   DATE: 07/23/2004
PATENT APPLICATION: US/10/009,705E   TIME: 13:20:44

Input Set : **A:\pto.lm.txt**
Output Set: **N:\CRF4\07232004\J009705E.raw**

```
   3 <110> APPLICANT: Ruprecht-Karls-Universitat Heidelberg
   4       Ruprecht-Karls-Universitat Heidelberg
   6 <120> TITLE OF INVENTION: Method for specifically detecting and identifying retroviral
nucleic
   7       acids/retro viruses in a specimen
W--> 8 <130> FILE REFERENCE: DE19921419.0
  10 <140> CURRENT APPLICATION NUMBER: US/10/009,705E
  11 <141> CURRENT FILING DATE: 2001-11-28
  13 <160> NUMBER OF SEQ ID NOS: 70
  15 <170> SOFTWARE: PatentIn version 3.1
  17 <210> SEQ ID NO: 1
  18 <211> LENGTH: 18
  19 <212> TYPE: DNA
  20 <213> ORGANISM: Homo sapiens
  22 <220> FEATURE:
  23 <221> NAME/KEY: misc_feature
  24 <222> LOCATION: (6)..(6)
  25 <223> OTHER INFORMATION: A or C or G or T
  28 <400> SEQUENCE: 1
W--> 29 aragtnytdy chcmrggh  18
  32 <210> SEQ ID NO: 2
  33 <211> LENGTH: 18
  34 <212> TYPE: DNA
  35 <213> ORGANISM: Homo sapiens
  37 <220> FEATURE:
  38 <221> NAME/KEY: misc_feature
  39 <222> LOCATION: (1)..(1)
  40 <223> OTHER INFORMATION: A or C or G or T
  43 <400> SEQUENCE: 2
W--> 44 nwddmkdtya tcmayrwa  18
  47 <210> SEQ ID NO: 3
  48 <211> LENGTH: 21
  49 <212> TYPE: DNA
  50 <213> ORGANISM: Homo sapiens
  52 <400> SEQUENCE: 3
  53 tkkammskvy trcyhcargg g  21
  56 <210> SEQ ID NO: 4
  57 <211> LENGTH: 21
  58 <212> TYPE: DNA
  59 <213> ORGANISM: Homo sapiens
  61 <220> FEATURE:
W--> 62 <221> NAME/KEY: SEQID5
  63 <222> LOCATION: (1)..(10)
  64 <223> OTHER INFORMATION:
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RAW SEQUENCE LISTING   DATE: 07/23/2004
PATENT APPLICATION: US/10/009,705E   TIME: 13:20:44

Input Set : **A:\pto.lm.txt**
Output Set: **N:\CRF4\07232004\J009705E.raw**

```
 66 <220> FEATURE:
 67 <221> NAME/KEY: misc_feature
 68 <222> LOCATION: (1)..(10)
 69 <223> OTHER INFORMATION:
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W--> 71 **<400> 4**
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 75 <210> SEQ ID NO: 5
 76 <211> LENGTH: 9
 77 <212> TYPE: DNA
 78 <213> ORGANISM: artificial sequence
 80 <220> FEATURE:
 81 <223> OTHER INFORMATION: arbitrary head sequence
 83 <220> FEATURE:
 84 <221> NAME/KEY: misc_feature
 85 <222> LOCATION: (1)..(9)
 86 <223> OTHER INFORMATION: arbitrary head sequence
 89 <400> SEQUENCE: 5
 90 gaaggatcc   9
 93 <210> SEQ ID NO: 6
 94 <211> LENGTH: 90
 95 <212> TYPE: DNA
 96 <213> ORGANISM: Homo sapiens
 98 <220> FEATURE:
 99 <221> NAME/KEY: misc_feature
100 <222> LOCATION: (1)..(90)
101 <223> OTHER INFORMATION: Capture probe 1A
104 <400> SEQUENCE: 6
105 atgctaaata gcccaactgt ttgttaaact tatgtcagaa agctaatgtt aaatagccca   60
107 actatttgtc aaacctatgt tgggaaagtt   90
110 <210> SEQ ID NO: 7
111 <211> LENGTH: 90
112 <212> TYPE: DNA
113 <213> ORGANISM: Homo sapiens
115 <220> FEATURE:
116 <221> NAME/KEY: misc_feature
117 <222> LOCATION: (1)..(90)
118 <223> OTHER INFORMATION: Capture probe 1B
121 <400> SEQUENCE: 7
122 atgttaaata gcccaactat ttgtcaaacc tatgttggga aagttattaa gccagttaga   60
124 gaacagtttt aaaaatgtta tagtattcat   90
127 <210> SEQ ID NO: 8
128 <211> LENGTH: 90
129 <212> TYPE: DNA
130 <213> ORGANISM: Homo sapiens
132 <220> FEATURE:
133 <221> NAME/KEY: misc_feature
134 <222> LOCATION: (1)..(90)
135 <223> OTHER INFORMATION: Capture probe 1E
138 <400> SEQUENCE: 8
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RAW SEQUENCE LISTING   DATE: 07/23/2004
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          Input Set : A:\pto.lm.txt
          Output Set: N:\CRF4\07232004\J009705E.raw

139 tatatcaact ctccggcttt gtgtcataat cttattcaga gtgatcttga tcacttttca 60
141 ctgccacaag atatcacact ggtccattac 90
144 <210> SEQ ID NO: 9
145 <211> LENGTH: 90
146 <212> TYPE: DNA
147 <213> ORGANISM: Homo sapiens
149 <220> FEATURE:
150 <221> NAME/KEY: misc_feature
151 <222> LOCATION: (1)..(90)
152 <223> OTHER INFORMATION: Capture probe 1F
155 <400> SEQUENCE: 9
156 gtatatcaac tctccagctt tgtgtcatca tcttattcag agataccttg atcactttc 60
158 acttctgcaa gatatcatgc tggtccatta 90
161 <210> SEQ ID NO: 10
162 <211> LENGTH: 90
163 <212> TYPE: DNA
164 <213> ORGANISM: Homo sapiens
166 <220> FEATURE:
167 <221> NAME/KEY: misc_feature
168 <222> LOCATION: (1)..(90)
169 <223> OTHER INFORMATION: Capture probe 1G
172 <400> SEQUENCE: 10
173 ttaatcaact ctctagcttt gtatcataat cttattcgga gagaccctga tcgcttttcg 60
175 cttccgcaag atatcacact gggtttgtta 90
178 <210> SEQ ID NO: 11
179 <211> LENGTH: 90
180 <212> TYPE: DNA
181 <213> ORGANISM: Homo sapiens
183 <220> FEATURE:
184 <221> NAME/KEY: misc_feature
185 <222> LOCATION: (1)..(90)
186 <223> OTHER INFORMATION: Capture probe 1H
189 <400> SEQUENCE: 11
190 tatatcagtt atctggcttt gtgacgtaat cttatttgga gagatctaga taacttttca 60
192 cttccacaag atatcacact ggtccactac 90
195 <210> SEQ ID NO: 12
196 <211> LENGTH: 90
197 <212> TYPE: DNA
198 <213> ORGANISM: Homo sapiens
200 <220> FEATURE:
201 <221> NAME/KEY: misc_feature
202 <222> LOCATION: (1)..(90)
203 <223> OTHER INFORMATION: Capture probe 1I
206 <400> SEQUENCE: 12
207 tatatcaact ctccagcttg tgttataatt ttattcagag agatcttgat cacttttgc 60
209 ttccacaaga tatcacactg attgcctaca 90
212 <210> SEQ ID NO: 13
213 <211> LENGTH: 90
214 <212> TYPE: DNA

RAW SEQUENCE LISTING   DATE: 07/23/2004
PATENT APPLICATION: US/10/009,705E   TIME: 13:20:44

        Input Set : **A:\pto.lm.txt**
        Output Set: **N:\CRF4\07232004\J009705E.raw**

215 <213> ORGANISM: Homo sapiens
217 <220> FEATURE:
218 <221> NAME/KEY: misc_feature
219 <222> LOCATION: (1)..(90)
220 <223> OTHER INFORMATION: Capture probe 1J
223 <400> SEQUENCE: 13
224 tgtatcaact ctctggcttt gtgtcataat cttacctgga gacatcttga tcgctttttg 60
226 cttccacaag atatcacact ggtccattat 90
229 <210> SEQ ID NO: 14
230 <211> LENGTH: 90
231 <212> TYPE: DNA
232 <213> ORGANISM: Homo sapiens
234 <220> FEATURE:
235 <221> NAME/KEY: misc_feature
236 <222> LOCATION: (1)..(90)
237 <223> OTHER INFORMATION: Capture probe 1K
240 <400> SEQUENCE: 14
241 tatatcaact ctccagtttt gtgtcatagt cttagtcaga gagaccttga tcactttttg 60
243 cttccataag acatcacact ggcccattac 90
246 <210> SEQ ID NO: 15
247 <211> LENGTH: 90
248 <212> TYPE: DNA
249 <213> ORGANISM: Homo sapiens
251 <220> FEATURE:
252 <221> NAME/KEY: misc_feature
253 <222> LOCATION: (1)..(90)
254 <223> OTHER INFORMATION: Capture probe 2A
257 <400> SEQUENCE: 15
258 atgcttaata gtccaactat ttgtcagact tttgtaggtc gagctcttca accagtgaga 60
260 gaaaagtttt cagactgtta tattattcat 90
263 <210> SEQ ID NO: 16
264 <211> LENGTH: 90
265 <212> TYPE: DNA
266 <213> ORGANISM: Homo sapiens
268 <220> FEATURE:
269 <221> NAME/KEY: misc_feature
270 <222> LOCATION: (1)..(90)
271 <223> OTHER INFORMATION: Capture probe 2B
274 <400> SEQUENCE: 16
275 atgcttaata gtccaactat ttgtcagact tttgtaggtc gagctcttca accagttaga 60
277 gaaaagtttt cagactgtta tatcattcat 90
280 <210> SEQ ID NO: 17
281 <211> LENGTH: 90
282 <212> TYPE: DNA
283 <213> ORGANISM: Homo sapiens
285 <220> FEATURE:
286 <221> NAME/KEY: misc_feature
287 <222> LOCATION: (1)..(90)
288 <223> OTHER INFORMATION: Capture probe 2E

RAW SEQUENCE LISTING   DATE: 07/23/2004
PATENT APPLICATION: **US/10/009,705E** TIME: 13:20:44

    Input Set : **A:\pto.lm.txt**
    Output Set: **N:\CRF4\07232004\J009705E.raw**

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291 <400> SEQUENCE: 17
292 tttaaaaact cccctaccct ttttggggaa gccctccaac aggatcttat accattctga   60
294 gccagtaacc ctcactgcac tcttctccag   90
297 <210> SEQ ID NO: 18
298 <211> LENGTH: 90
299 <212> TYPE: DNA
300 <213> ORGANISM: Homo sapiens
302 <220> FEATURE:
303 <221> NAME/KEY: misc_feature
304 <222> LOCATION: (1)..(90)
305 <223> OTHER INFORMATION: Capture probe 2F
308 <400> SEQUENCE: 18
309 tttaaaaatt ccgccaccct ttttggggaa gccctccaac aagatcttct accattctga   60
311 gccagtcccc ttaactgtaa ctcttcttca   90
314 <210> SEQ ID NO: 19
315 <211> LENGTH: 88
316 <212> TYPE: DNA
317 <213> ORGANISM: Homo sapiens
319 <220> FEATURE:
320 <221> NAME/KEY: misc_feature
321 <222> LOCATION: (1)..(88)
322 <223> OTHER INFORMATION: Capture probe 2F
325 <220> FEATURE:
326 <221> NAME/KEY: misc_feature
327 <222> LOCATION: (1)..(88)
328 <223> OTHER INFORMATION: Capture probe 2H
331 <400> SEQUENCE: 19
332 ttcaagaact cccccaccat ctttggggag gcgttggctc gagacctcca gaagtttccc   60
334 accagagacc taggctgcgt gttgctcc   88
337 <210> SEQ ID NO: 20
338 <211> LENGTH: 90
339 <212> TYPE: DNA
340 <213> ORGANISM: Homo sapiens
342 <220> FEATURE:
343 <221> NAME/KEY: misc_feature
344 <222> LOCATION: (1)..(90)
345 <223> OTHER INFORMATION: Capture probe 2I
348 <400> SEQUENCE: 20
349 ttcaagaact cccttactat cttcggggag gctctgactt gagacttgca aaagtttcct   60
351 gctaaagacc taggctatgt cttgctcctg   90
354 <210> SEQ ID NO: 21
355 <211> LENGTH: 90
356 <212> TYPE: DNA
357 <213> ORGANISM: Homo sapiens
359 <220> FEATURE:
360 <221> NAME/KEY: misc_feature
361 <222> LOCATION: (1)..(90)
362 <223> OTHER INFORMATION: Capture probe 2J
365 <400> SEQUENCE: 21
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 07/23/2004
PATENT APPLICATION: **US/10/009,705E**   TIME: 13:20:45

Input Set : **A:\pto.lm.txt**
Output Set: **N:\CRF4\07232004\J009705E.raw**

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 6
Seq#:2; N Pos. 1

VERIFICATION SUMMARY   DATE: 07/23/2004
PATENT APPLICATION: **US/10/009,705E**   TIME: 13:20:45

Input Set : **A:\pto.lm.txt**
Output Set: **N:\CRF4\07232004\J009705E.raw**

L:8 M:283 W: Missing Blank Line separator, <130> field identifier
L:29 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:44 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:62 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:4
L:71 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:4,Line#:64
L:71 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:4,Line#:69